

Andrew E Derocher

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2924087/andrew-e-derocher-publications-by-citations.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

208 papers	11,106 citations	59 h-index	99 g-index
228 ext. papers	12,442 ext. citations	4.4 avg, IF	6.15 L-index

#	Paper	IF	Citations
208	The status of the world's land and marine mammals: diversity, threat, and knowledge. <i>Science</i> , 2008 , 322, 225-30	33.3	1012
207	The impact of conservation on the status of the world's vertebrates. <i>Science</i> , 2010 , 330, 1503-9	33.3	948
206	Polar bears in a warming climate. <i>Integrative and Comparative Biology</i> , 2004 , 44, 163-76	2.8	324
205	Predicting 21st-century polar bear habitat distribution from global climate models. <i>Ecological Monographs</i> , 2009 , 79, 25-58	9	255
204	What are the toxicological effects of mercury in Arctic biota?. <i>Science of the Total Environment</i> , 2013 , 443, 775-90	10.2	238
203	Effects of climate warming on polar bears: a review of the evidence. <i>Global Change Biology</i> , 2012 , 18, 2694-706	11.4	195
202	Genetic structure of the world's polar bear populations. <i>Molecular Ecology</i> , 1999 , 8, 1571-84	5.7	191
201	Brominated flame retardants in polar bears (<i>Ursus maritimus</i>) from Alaska, the Canadian Arctic, East Greenland, and Svalbard. <i>Environmental Science & Technology</i> , 2006 , 40, 449-55	10.3	164
200	Predicting survival, reproduction and abundance of polar bears under climate change. <i>Biological Conservation</i> , 2010 , 143, 1612-1622	6.2	161
199	Variation in the response of an Arctic top predator experiencing habitat loss: feeding and reproductive ecology of two polar bear populations. <i>Global Change Biology</i> , 2014 , 20, 76-88	11.4	151
198	Circumpolar study of perfluoroalkyl contaminants in polar bears (<i>Ursus maritimus</i>). <i>Environmental Science & Technology</i> , 2005 , 39, 5517-23	10.3	149
197	Diet composition of polar bears in Svalbard and the western Barents Sea. <i>Polar Biology</i> , 2002 , 25, 448-452		149
196	Congener-specific accumulation and food chain transfer of polybrominated diphenyl ethers in two arctic food chains. <i>Environmental Science & Technology</i> , 2004 , 38, 1667-74	10.3	144
195	Polar bear population dynamics in the southern Beaufort Sea during a period of sea ice decline 2015 , 25, 634-51		143
194	Distribution of polar bears (<i>Ursus maritimus</i>) during the ice-free period in western Hudson Bay. <i>Canadian Journal of Zoology</i> , 1990 , 68, 1395-1403	1.5	133
193	Possible Impacts of Climatic Warming on Polar Bears. <i>Arctic</i> , 1993 , 46,	2.1	121
192	Relationships between PCBs and thyroid hormones and retinol in female and male polar bears. <i>Environmental Health Perspectives</i> , 2004 , 112, 826-33	8.4	120

191	Postnatal growth in body length and mass of polar bears (<i>Ursus maritimus</i>) at Svalbard. <i>Journal of Zoology</i> , 2002 , 256, 343-349	2	120
190	Functional responses in polar bear habitat selection. <i>Oikos</i> , 2003 , 100, 112-124	4	117
189	Space-use strategies of female polar bears in a dynamic sea ice habitat. <i>Canadian Journal of Zoology</i> , 2001 , 79, 1704-1713	1.5	117
188	Migration phenology and seasonal fidelity of an Arctic marine predator in relation to sea ice dynamics. <i>Journal of Animal Ecology</i> , 2013 , 82, 912-21	4.7	111
187	Predicting climate change impacts on polar bear litter size. <i>Nature Communications</i> , 2011 , 2, 186	17.4	106
186	Aspects of survival in juvenile polar bears. <i>Canadian Journal of Zoology</i> , 1996 , 74, 1246-1252	1.5	105
185	Using satellite telemetry to define spatial population structure in polar bears in the Norwegian and western Russian Arctic. <i>Journal of Applied Ecology</i> , 2002 , 39, 79-90	5.8	104
184	Predation of Svalbard reindeer by polar bears. <i>Polar Biology</i> , 2000 , 23, 675-678	2	104
183	Organochlorines affect the major androgenic hormone, testosterone, in male polar bears (<i>Ursus maritimus</i>) at Svalbard. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2003 , 66, 2119-39	3.2	102
182	Relationships between plasma levels of organochlorines, retinol and thyroid hormones from polar bears (<i>Ursus maritimus</i>) at Svalbard. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2001 , 62, 227-41	3.2	102
181	Chlorinated hydrocarbon contaminants and metabolites in polar bears (<i>Ursus maritimus</i>) from Alaska, Canada, East Greenland, and Svalbard: 1996-2002. <i>Science of the Total Environment</i> , 2005 , 351-352, 369-90	10.2	99
180	Polychlorinated biphenyls and reproductive hormones in female polar bears at Svalbard. <i>Environmental Health Perspectives</i> , 2003 , 111, 431-6	8.4	95
179	Age-specific reproductive performance of female polar bears (<i>Ursus maritimus</i>). <i>Journal of Zoology</i> , 1994 , 234, 527-536	2	94
178	Does high organochlorine (OC) exposure impair the resistance to infection in polar bears (<i>Ursus maritimus</i>)? Part I: Effect of OCs on the humoral immunity. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2004 , 67, 555-82	3.2	93
177	Pregnancy rates and serum progesterone levels of polar bears in western Hudson Bay. <i>Canadian Journal of Zoology</i> , 1992 , 70, 561-566	1.5	93
176	Aspects of milk composition and lactation in polar bears. <i>Canadian Journal of Zoology</i> , 1993 , 71, 561-567	1.5	91
175	Fast carnivores and slow herbivores: differential foraging strategies among grizzly bears in the Canadian Arctic. <i>Oecologia</i> , 2011 , 165, 877-89	2.9	85
174	Organochlorines affect the steroid hormone cortisol in free-ranging polar bears (<i>Ursus maritimus</i>) at Svalbard, Norway. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2004 , 67, 959-77	3.2	84

173	Contaminants in Svalbard polar bear samples archived since 1967 and possible population level effects. <i>Science of the Total Environment</i> , 2003 , 301, 163-74	10.2	81
172	Geographic variation of PCB congeners in polar bears (<i>Ursus maritimus</i>) from Svalbard east to the Chukchi Sea. <i>Polar Biology</i> , 2001 , 24, 231-238	2	78
171	Hundreds of Unrecognized Halogenated Contaminants Discovered in Polar Bear Serum. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16401-16406	16.4	76
170	State-space models' dirty little secrets: even simple linear Gaussian models can have estimation problems. <i>Scientific Reports</i> , 2016 , 6, 26677	4.9	74
169	Spatial and temporal patterns of problem polar bears in Churchill, Manitoba. <i>Polar Biology</i> , 2009 , 32, 1529-1537	2	74
168	Modelling the mating system of polar bears: a mechanistic approach to the Allee effect. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008 , 275, 217-26	4.4	74
167	Possible immunotoxic effects of organochlorines in polar bears (<i>Ursus maritimus</i>) at Svalbard. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2000 , 59, 561-74	3.2	74
166	Female pseudohermaphrodite polar bears at Svalbard. <i>Journal of Wildlife Diseases</i> , 1998 , 34, 792-6	1.3	73
165	Sea ice and polar bear den ecology at Hopen Island, Svalbard. <i>Marine Ecology - Progress Series</i> , 2011 , 441, 273-279	2.6	72
164	Migratory response of polar bears to sea ice loss: to swim or not to swim. <i>Ecography</i> , 2017 , 40, 189-199	6.5	70
163	Low site fidelity and home range drift in a wide-ranging, large Arctic omnivore. <i>Animal Behaviour</i> , 2009 , 77, 23-28	2.8	70
162	Does high organochlorine (OC) exposure impair the resistance to infection in polar bears (<i>Ursus maritimus</i>)? Part II: Possible effect of OCs on mitogen- and antigen-induced lymphocyte proliferation. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2005 , 68, 457-84	3.2	70
161	Seasonal and annual movement patterns of polar bears on the sea ice of Hudson Bay. <i>Canadian Journal of Zoology</i> , 2006 , 84, 1281-1294	1.5	69
160	Sexual dimorphism and the mating ecology of polar bears (<i>Ursus maritimus</i>) at Svalbard. <i>Behavioral Ecology and Sociobiology</i> , 2010 , 64, 939-946	2.5	68
159	Future sea ice conditions in Western Hudson Bay and consequences for polar bears in the 21st century. <i>Global Change Biology</i> , 2013 , 19, 2675-87	11.4	67
158	Age and sex composition of seals killed by polar bears in the eastern Beaufort Sea. <i>PLoS ONE</i> , 2012 , 7, e41429	3.7	67
157	Influence of intraspecific competition on the distribution of a wide-ranging, non-territorial carnivore. <i>Global Ecology and Biogeography</i> , 2014 , 23, 425-435	6.1	66
156	SEXUAL DIMORPHISM OF POLAR BEARS. <i>Journal of Mammalogy</i> , 2005 , 86, 895-901	1.8	66

155	PCBs and OH-PCBs in polar bear mother-cub pairs: a comparative study based on plasma levels in 1998 and 2008. <i>Science of the Total Environment</i> , 2012 , 417-418, 117-28	10.2	65
154	Maternal investment and factors affecting offspring size in polar bears (<i>Ursus maritimus</i>). <i>Journal of Zoology</i> , 1998 , 245, 253-260	2	65
153	Temporal variation in reproduction and body mass of polar bears in western Hudson Bay. <i>Canadian Journal of Zoology</i> , 1995 , 73, 1657-1665	1.5	63
152	Spring fasting behavior in a marine apex predator provides an index of ecosystem productivity. <i>Global Change Biology</i> , 2018 , 24, 410-423	11.4	60
151	Fasting physiology of polar bears in relation to environmental change and breeding behavior in the Beaufort Sea. <i>Polar Biology</i> , 2009 , 32, 383-391	2	60
150	Population ecology of polar bears at Svalbard, Norway. <i>Population Ecology</i> , 2005 , 47, 267-275	2.1	59
149	<i>Brucella</i> sp. antibodies in polar bears from Svalbard and the Barents Sea. <i>Journal of Wildlife Diseases</i> , 2001 , 37, 523-31	1.3	58
148	Perfluoroalkyl substances in polar bear mother-cub pairs: a comparative study based on plasma levels from 1998 and 2008. <i>Environment International</i> , 2012 , 49, 92-9	12.9	55
147	Infanticide and Cannibalism of Juvenile Polar Bears (<i>Ursus maritimus</i>) in Svalbard. <i>Arctic</i> , 1999 , 52,	2.1	55
146	Mass Loss Rates of Fasting Polar Bears. <i>Physiological and Biochemical Zoology</i> , 2016 , 89, 377-88	2	55
145	Projected polar bear sea ice habitat in the Canadian Arctic Archipelago. <i>PLoS ONE</i> , 2014 , 9, e113746	3.7	54
144	Geographical distribution of organochlorine pesticides (OCPs) in polar bears (<i>Ursus maritimus</i>) in the Norwegian and Russian Arctic. <i>Science of the Total Environment</i> , 2003 , 306, 159-70	10.2	54
143	Polar bear predatory behaviour reveals seascape distribution of ringed seal lairs. <i>Population Ecology</i> , 2014 , 56, 129-138	2.1	52
142	Organochlorines in top predators at Svalbard--occurrence, levels and effects. <i>Toxicology Letters</i> , 2000 , 112-113, 103-9	4.4	52
141	Serosurvey for <i>Trichinella</i> in polar bears (<i>Ursus maritimus</i>) from Svalbard and the Barents Sea. <i>Veterinary Parasitology</i> , 2010 , 172, 256-63	2.8	50
140	Terrestrial Foraging by Polar Bears during the Ice-Free Period in Western Hudson Bay. <i>Arctic</i> , 1993 , 46,	2.1	50
139	Polar bear (<i>Ursus maritimus</i>) maternity den distribution in Svalbard, Norway. <i>Polar Biology</i> , 2012 , 35, 499-508	2	49
138	Female polar bears, <i>Ursus maritimus</i> , on the Barents Sea drift ice: walking the treadmill. <i>Animal Behaviour</i> , 2003 , 66, 107-113	2.8	49

137	Observations of aggregating behaviour in adult male polar bears (<i>Ursus maritimus</i>). <i>Canadian Journal of Zoology</i> , 1990 , 68, 1390-1394	1.5	49
136	Monitoring PCBs in polar bears: lessons learned from Svalbard. <i>Journal of Environmental Monitoring</i> , 2001 , 3, 493-8		48
135	EFFECTS OF FASTING AND FEEDING ON SERUM UREA AND SERUM CREATININE LEVELS IN POLAR BEARS. <i>Marine Mammal Science</i> , 1990 , 6, 196-203	1.9	48
134	Serologic survey for selected virus infections in polar bears at Svalbard. <i>Journal of Wildlife Diseases</i> , 2005 , 41, 310-6	1.3	46
133	Home range size variation in female arctic grizzly bears relative to reproductive status and resource availability. <i>PLoS ONE</i> , 2013 , 8, e68130	3.7	45
132	Quantifying dietary pathways of proteins and lipids to tissues of a marine predator. <i>Journal of Applied Ecology</i> , 2011 , 48, 373-381	5.8	45
131	A body composition model to estimate mammalian energy stores and metabolic rates from body mass and body length, with application to polar bears. <i>Journal of Experimental Biology</i> , 2009 , 212, 2313-23	2.3	44
130	A circumpolar monitoring framework for polar bears. <i>Ursus</i> , 2012 , 23, 1-66	1.4	43
129	Monitoring sea ice habitat fragmentation for polar bear conservation. <i>Animal Conservation</i> , 2012 , 15, 397-406	3.2	43
128	Differences in mercury bioaccumulation between polar bears (<i>Ursus maritimus</i>) from the Canadian high- and sub-Arctic. <i>Environmental Science & Technology</i> , 2011 , 45, 5922-8	10.3	43
127	Conservation and management of Canada's polar bears (<i>Ursus maritimus</i>) in a changing Arctic1This review is part of the virtual symposium 'Flagship Species / Flagship Problems' that deals with ecology, biodiversity and management issues, and climate impacts on species at risk and of Canadian importance, including the polar bear (<i>Ursus maritimus</i>), Atlantic cod (<i>Gadus morhua</i>),	1.5	42
126	Seasonal habitat selection by adult female polar bears in western Hudson Bay. <i>Population Ecology</i> , 2016 , 58, 407-419	2.1	42
125	Choose Your Poison-Space-Use Strategy Influences Pollutant Exposure in Barents Sea Polar Bears. <i>Environmental Science & Technology</i> , 2018 , 52, 3211-3221	10.3	41
124	Assessing polar bear () population structure in the Hudson Bay region using SNPs. <i>Ecology and Evolution</i> , 2016 , 6, 8474-8484	2.8	41
123	On the integration of ecological and physiological variables in polar bear toxicology research: a systematic review. <i>Environmental Reviews</i> , 2018 , 26, 1-12	4.5	40
122	An incident of polar bear infanticide and cannibalism on Phippsøya, Svalbard. <i>Polar Record</i> , 2007 , 43, 171-173	0.5	40
121	Adaptation of the hindlimbs for climbing in bears. <i>Annals of Anatomy</i> , 2005 , 187, 153-60	2.9	40
120	Ecological risk assessment of persistent organic pollutants in the arctic. <i>Toxicology</i> , 2002 , 181-182, 193-74.4	4.4	39

119	Chemical characterization of milk oligosaccharides of the polar bear, <i>Ursus maritimus</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2000 , 1475, 395-408	4	39
118	Latitudinal variation in litter size of polar bears: ecology or methodology?. <i>Polar Biology</i> , 1999 , 22, 350-356		39
117	Conservation and management of large carnivores in North America. <i>International Journal of Environmental Studies</i> , 2013 , 70, 383-398	1.8	38
116	RINGED SEAL (PHOCA HISPIDA) BREEDING IN THE DRIFTING PACK ICE OF THE BARENTS SEA. <i>Marine Mammal Science</i> , 1999 , 15, 595-598	1.9	37
115	Fatty acid composition of the adipose tissue of polar bears and of their prey: ringed seals, bearded seals and harp seals. <i>Marine Ecology - Progress Series</i> , 2003 , 265, 275-282	2.6	37
114	Unusual Predation Attempts of Polar Bears on Ringed Seals in the Southern Beaufort Sea: Possible Significance of Changing Spring Ice Conditions. <i>Arctic</i> , 2009 , 61, 14	2.1	35
113	Spatiotemporal modelling of marine movement data using Template Model Builder (TMB). <i>Marine Ecology - Progress Series</i> , 2017 , 565, 237-249	2.6	35
112	Mating-related behaviour of grizzly bears inhabiting marginal habitat at the periphery of their North American range. <i>Behavioural Processes</i> , 2015 , 111, 75-83	1.6	33
111	Estimation of Polar Bear Population Size and Survival in Western Hudson Bay. <i>Journal of Wildlife Management</i> , 1995 , 59, 215	1.9	33
110	Use of Arctic ground squirrels (<i>Urocitellus parryii</i>) by brown bears (<i>Ursus arctos</i>). <i>Polar Biology</i> , 2015 , 38, 369-379	2	32
109	Mercury and cortisol in Western Hudson Bay polar bear hair. <i>Ecotoxicology</i> , 2015 , 24, 1315-21	2.9	32
108	Space-use strategy is an important determinant of PCB concentrations in female polar bears in the Barents Sea. <i>Environmental Science & Technology</i> , 2003 , 37, 4919-24	10.3	31
107	Polar bear (<i>Ursus maritimus</i>) Migration from Maternal Dens in Western Hudson Bay. <i>Arctic</i> , 2017 , 70, 319	2.1	31
106	Observation of Adoption in Polar Bears (<i>Ursus maritimus</i>). <i>Arctic</i> , 1999 , 52,	2.1	31
105	Implications of the circumpolar genetic structure of polar bears for their conservation in a rapidly warming Arctic. <i>PLoS ONE</i> , 2015 , 10, e112021	3.7	30
104	Polar bear <i>Ursus maritimus</i> conservation in Canada: an ecological basis for identifying designatable units. <i>Oryx</i> , 2008 , 42, 504	1.5	30
103	Transthyretin-binding activity of contaminants in blood from polar bear (<i>Ursus maritimus</i>) cubs. <i>Environmental Science & Technology</i> , 2013 , 47, 4778-86	10.3	29
102	Differentiating the Lévy walk from a composite correlated random walk. <i>Methods in Ecology and Evolution</i> , 2015 , 6, 1179-1189	7.7	28

101	Prevalence of antibodies against <i>Toxoplasma gondii</i> in polar bears (<i>Ursus maritimus</i>) from Svalbard and East Greenland. <i>Journal of Parasitology</i> , 2009 , 95, 89-94	0.9	28
100	Plasma biochemical values from apparently healthy free-ranging polar bears from Svalbard. <i>Journal of Wildlife Diseases</i> , 2002 , 38, 566-75	1.3	28
99	Home ranges in moving habitats: polar bears and sea ice. <i>Ecography</i> , 2016 , 39, 26-35	6.5	27
98	Windscares and olfactory foraging in a large carnivore. <i>Scientific Reports</i> , 2017 , 7, 46332	4.9	24
97	Subpopulation structure of caribou (<i>Rangifer tarandus</i> L.) in arctic and subarctic Canada 2011 , 21, 2334-48		24
96	Multi-temporal factors influence predation for polar bears in a changing climate. <i>Oikos</i> , 2015 , 124, 1098-1107	4.1	22
95	Milk composition in free-ranging polar bears (<i>Ursus maritimus</i>) as a model for captive rearing milk formula. <i>Zoo Biology</i> , 2011 , 30, 550-65	1.6	22
94	Male-Biased Harvesting of Polar Bears in Western Hudson Bay. <i>Journal of Wildlife Management</i> , 1997 , 61, 1075	1.9	22
93	Factors Affecting the Evolution and Behavioral Ecology of the Modern Bears. <i>Ursus</i> , 1990 , 8, 189		22
92	Polar bears : proceedings of the 14th Working meeting of the IUCN/SSC Polar Bear Specialist Group, 20-24 June 2005, Seattle, Washington, USA 2006 ,		20
91	Polar Bear Ecology and Management in Hudson Bay in the Face of Climate Change 2010 , 93-116		20
90	Home range distribution of polar bears in western Hudson Bay. <i>Polar Biology</i> , 2015 , 38, 343-355	2	19
89	Effects of chemical immobilization on the movement rates of free-ranging polar bears. <i>Journal of Mammalogy</i> , 2013 , 94, 386-397	1.8	19
88	Habitat selection by arctic ground squirrels (<i>Spermophilus parryii</i>). <i>Journal of Mammalogy</i> , 2010 , 91, 1251-1260	1.3	19
87	Reconstructing the reproductive history of female polar bears using cementum patterns of premolar teeth. <i>Polar Biology</i> , 2010 , 33, 115-124	2	19
86	Movements of two Svalbard polar bears recorded using geographical positioning system satellite transmitters. <i>Polar Biology</i> , 2008 , 31, 905-911	2	19
85	Abundance and species diversity hotspots of tracked marine predators across the North American Arctic. <i>Diversity and Distributions</i> , 2019 , 25, 328-345	5	19
84	Summer refugia of polar bears (<i>Ursus maritimus</i>) in the southern Beaufort Sea. <i>Polar Biology</i> , 2017 , 40, 753-763	2	18

83	Estimating Cementum Annuli Width in Polar Bears: Identifying Sources of Variation and Error. <i>Journal of Mammalogy</i> , 2009 , 90, 1256-1264	1.8	18
82	Differences in oligosaccharide pattern of a sample of polar bear colostrum and mid-lactation milk. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2003 , 136, 887-96	2.3	18
81	Temporal Trends of Persistent Organic Pollutants in Barents Sea Polar Bears (<i>Ursus maritimus</i>) in Relation to Changes in Feeding Habits and Body Condition. <i>Environmental Science & Technology</i> , 2019 , 53, 984-995	10.3	18
80	Rapid ecosystem change and polar bear conservation. <i>Conservation Letters</i> , 2013 , 6, n/a-n/a	6.9	17
79	The influence of weather and lemmings on spatiotemporal variation in the abundance of multiple avian guilds in the arctic. <i>PLoS ONE</i> , 2014 , 9, e101495	3.7	17
78	The Population Dynamics of Polar Bears in Western Hudson Bay 1992 , 1150-1159		16
77	Assessing stress in Western Hudson Bay polar bears using hair cortisol concentration as a biomarker. <i>Ecological Indicators</i> , 2016 , 71, 47-54	5.8	16
76	Evaluating random search strategies in three mammals from distinct feeding guilds. <i>Journal of Animal Ecology</i> , 2016 , 85, 1411-21	4.7	16
75	Sampling rate and misidentification of Lÿ and non-Lÿ movement paths: comment. <i>Ecology</i> , 2011 , 92, 1699-701; discussion 1701-2	4.6	15
74	Stable isotope mixing models fail to estimate the diet of an avian predatorLes modËs de mËlange d'isotopes stables ne permettent pas d'estimer le rËgime alimentaire d'un prËdateur avienStable isotopes fail to estimate avian predator diet. <i>Auk</i> , 2018 , 135, 60-70	2.1	15
73	Estimating nestling diet with cameras: quantifying uncertainty from unidentified food items. <i>Wildlife Biology</i> , 2015 , 21, 277-282	1.7	14
72	Response to Dyck et al. (2007) on polar bears and climate change in western Hudson Bay. <i>Ecological Complexity</i> , 2008 , 5, 193-201	2.6	14
71	Sea ice cycle in western Hudson Bay, Canada, from a polar bear perspective. <i>Marine Ecology - Progress Series</i> , 2017 , 564, 225-233	2.6	14
70	Ringed seal (<i>Pusa hispida</i>) tooth annuli as an index of reproduction in the Beaufort Sea. <i>Ecological Indicators</i> , 2017 , 77, 286-292	5.8	13
69	Weather-mediated decline in prey delivery rates causes food-limitation in a top avian predator. <i>Journal of Avian Biology</i> , 2017 , 48, 748-758	1.9	13
68	Ringed seal demography in a changing climate. <i>Ecological Applications</i> , 2019 , 29, e01855	4.9	13
67	Contrasting Temporal Patterns of Mercury, Niche Dynamics, and Body Fat Indices of Polar Bears and Ringed Seals in a Melting Icescape. <i>Environmental Science & Technology</i> , 2020 , 54, 2780-2789	10.3	13
66	Habitat-mediated timing of migration in polar bears: an individual perspective. <i>Ecology and Evolution</i> , 2016 , 6, 5032-42	2.8	13

65	Estimating Allee dynamics before they can be observed: polar bears as a case study. <i>PLoS ONE</i> , 2014 , 9, e85410	3.7	13
64	Two Decades of Mercury Concentrations in Barents Sea Polar Bears () in Relation to Dietary Carbon, Sulfur, and Nitrogen. <i>Environmental Science & Technology</i> , 2020 , 54, 7388-7397	10.3	12
63	Hair Mercury Concentrations in Western Hudson Bay Polar Bear Family Groups. <i>Environmental Science & Technology</i> , 2016 , 50, 5313-9	10.3	12
62	Occurrence and prevalence of <i>Clostridium perfringens</i> in polar bears from Svalbard, Norway. <i>Journal of Wildlife Diseases</i> , 2008 , 44, 155-8	1.3	12
61	Intrapopulation variability in wolf diet revealed using a combined stable isotope and fatty acid approach. <i>Ecosphere</i> , 2018 , 9, e02420	3.1	12
60	Population substructure and space use of Foxe Basin polar bears. <i>Ecology and Evolution</i> , 2015 , 5, 2851-64.8	64.8	11
59	Changes in Land Distribution of Polar Bears in Western Hudson Bay. <i>Arctic</i> , 2010 , 63,	2.1	11
58	Population structure and dispersal of wolves in the Canadian Rocky Mountains. <i>Journal of Mammalogy</i> , 2016 , 97, 839-851	1.8	10
57	Analysis of faecal samples from wild animals for verocytotoxin producing <i>Escherichia coli</i> and <i>E coli</i> O157. <i>Veterinary Record</i> , 1999 , 144, 646-7	0.9	10
56	Brown Bear (<i>Ursus arctos</i>) Predation of Broad Whitefish (<i>Coregonus nasus</i>) in the Mackenzie Delta Region, Northwest Territories. <i>Arctic</i> , 2009 , 62,	2.1	10
55	Assessment of global polar bear abundance and vulnerability. <i>Animal Conservation</i> , 2019 , 22, 83-95	3.2	9
54	Nursing vocalization of a polar bear cub. <i>Ursus</i> , 2010 , 21, 189-191	1.4	9
53	Oil contamination of polar bears. <i>Polar Record</i> , 1991 , 27, 56-57	0.5	9
52	Temporal and intra-population patterns in polar bear foraging ecology in western Hudson Bay. <i>Marine Ecology - Progress Series</i> , 2019 , 619, 187-199	2.6	9
51	Reply to Comment on Grahl-Nielsen et al. (2003): sampling, data treatment and predictions in investigations on fatty acids in marine mammals. <i>Marine Ecology - Progress Series</i> , 2004 , 281, 303-306	2.6	9
50	Does taurine deficiency cause metabolic bone disease and rickets in polar bear cubs raised in captivity?. <i>Advances in Experimental Medicine and Biology</i> , 2009 , 643, 325-31	3.6	9
49	How many cubs can a mum nurse? Maternal age and size influence litter size in polar bears. <i>Biology Letters</i> , 2019 , 15, 20190070	3.6	8
48	Modeling optimal responses and fitness consequences in a changing Arctic. <i>Global Change Biology</i> , 2019 , 25, 3450-3461	11.4	7

47	The stress of Arctic warming on polar bears. <i>Global Change Biology</i> , 2020 , 26, 4197-4214	11.4	7
46	Hemoglobin, pH and DPG/chloride shifting. <i>Biochimie</i> , 2004 , 86, 927-32	4.6	7
45	Supernumerary Mammary and Nipples in the Polar Bear (<i>Ursus maritimus</i>). <i>Journal of Mammalogy</i> , 1990 , 71, 236-237	1.8	7
44	The use of hair as a proxy for total and methylmercury burdens in polar bear muscle tissue. <i>Science of the Total Environment</i> , 2019 , 686, 1120-1128	10.2	6
43	Den selection by barren-ground grizzly bears, Mackenzie Delta, Northwest Territories. <i>Polar Biology</i> , 2017 , 40, 503-516	2	6
42	Evidence of intraspecific prey switching: stage-structured predation of polar bears on ringed seals. <i>Oecologia</i> , 2019 , 189, 133-148	2.9	5
41	Polar bear research: has science helped management and conservation?. <i>Environmental Reviews</i> , 2018 , 26, 358-368	4.5	5
40	Opportunistic evaluation of modelled sea ice drift using passively drifting telemetry collars in Hudson Bay, Canada. <i>Cryosphere</i> , 2020 , 14, 1937-1950	5.5	5
39	Spatial and temporal variability in ringed seal (<i>Pusa hispida</i>) stable isotopes in the Beaufort Sea. <i>Ecology and Evolution</i> , 2020 , 10, 4178-4192	2.8	4
38	Patterns of sea ice drift and polar bear (<i>Ursus maritimus</i>) movement in Hudson Bay. <i>Marine Ecology - Progress Series</i> , 2020 , 641, 227-240	2.6	4
37	Monitoring spatially resolved trace elements in polar bear hair using single spot laser ablation ICP-MS. <i>Ecological Indicators</i> , 2020 , 119, 106822	5.8	4
36	Assessing spatial discreteness of Hudson Bay polar bear populations using telemetry and genetics. <i>Ecosphere</i> , 2018 , 9, e02364	3.1	4
35	Sea ice reduction drives genetic differentiation among Barents Sea polar bears. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021 , 288, 20211741	4.4	4
34	Behaviour and characteristics of mating polar bears (<i>Ursus maritimus</i>) in the Beaufort Sea, Canada. <i>Polar Biology</i> , 2019 , 42, 919-929	2	3
33	The ecological and behavioral significance of short-term food caching in polar bears (<i>Ursus maritimus</i>). <i>Arctic Science</i> , 2020 , 6, 41-52	2.2	3
32	Chronic stress and body condition of wolf-killed prey in Prince Albert National Park, Saskatchewan 2019 , 7, co2037		3
31	Using Subpopulation Structure for Barren-Ground Grizzly Bear Management. <i>Ursus</i> , 2008 , 19, 91-104	1.4	3
30	2,3-DPG-Hb complex: a hypothesis for an asymmetric binding. <i>Biophysical Chemistry</i> , 2000 , 84, 253-60	3.5	3

29	Long-Distance Movement of a Female Polar Bear from Canada to Russia. <i>Arctic</i> , 2017 , 70, 121	2.1	3
28	Geographic variation in growth of polar bears (<i>Ursus maritimus</i>) 1998 , 245, 65		3
27	Variance in lifetime reproductive success of male polar bears. <i>Behavioral Ecology</i> , 2020 , 31, 1224-1232	2.3	3
26	A risk assessment review of mercury exposure in Arctic marine and terrestrial mammals.. <i>Science of the Total Environment</i> , 2022 , 829, 154445	10.2	3
25	Predation risk and space use of a declining Dall sheep (<i>Ovis dalli dalli</i>) population. <i>PLoS ONE</i> , 2019 , 14, e0215519	3.7	2
24	Comparing sea ice habitat fragmentation metrics using integrated step selection analysis. <i>Ecology and Evolution</i> , 2020 , 10, 4791-4800	2.8	2
23	Polar bear denning distribution in the Canadian Arctic. <i>Polar Biology</i> , 2020 , 43, 617-621	2	2
22	Space use patterns affect stable isotopes of polar bears (<i>Ursus maritimus</i>) in the Beaufort Sea. <i>Polar Biology</i> , 2019 , 42, 1581-1593	2	2
21	Sensor calibration models for a non-invasive blood glucose measurement sensor. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2010 , 2010, 4979-82	0.9	2
20	Polar bear hemoglobin and human Hb A0: same 2,3-diphosphoglycerate binding site but asymmetry of the binding?. <i>Hemoglobin</i> , 2002 , 26, 363-71	0.6	2
19	Variability in polar bear <i>Ursus maritimus</i> stable isotopes in relation to environmental change in the Canadian Beaufort Sea. <i>Marine Ecology - Progress Series</i> , 2019 , 630, 215-225	2.6	2
18	Mating Strategies 2020 , 21-35		2
17	Migration dynamics of polar bears (<i>Ursus maritimus</i>) in western Hudson Bay. <i>Behavioral Ecology</i> , 2021 , 32, 440-451	2.3	2
16	Matrix methods for stochastic dynamic programming in ecology and evolutionary biology. <i>Methods in Ecology and Evolution</i> , 2019 , 10, 1952-1961	7.7	1
15	Absence of trypanosomes in polar bears (<i>Ursus maritimus</i>) from Svalbard. <i>Veterinary Record</i> , 1999 , 145, 526-7	0.9	1
14	Detecting seasonal episodic-like spatio-temporal memory patterns using animal movement modelling. <i>Methods in Ecology and Evolution</i> ,	7.7	1
13	Influence of sea ice dynamics on population energetics of Western Hudson Bay polar bears 2020 , 8, coaa132		1
12	Variation in habitat use of Beaufort Sea polar bears. <i>Polar Biology</i> , 2020 , 43, 1247-1260	2	1

11	Temporal dynamics of human-polar bear conflicts in Churchill, Manitoba. <i>Global Ecology and Conservation</i> , 2020 , 24, e01320	2.8	1
10	Effects of sea ice fragmentation on polar bear migratory movement in Hudson Bay. <i>Marine Ecology - Progress Series</i> , 2021 , 666, 231-241	2.6	1
9	Space use of cougars at the northern edge of their range. <i>Journal of Mammalogy</i> , 2021 , 102, 1042-1053	1.8	1
8	Characterising menotactic behaviours in movement data using hidden Markov models. <i>Methods in Ecology and Evolution</i> , 2021 , 12, 1984	7.7	1
7	Time-dependent memory and individual variation in Arctic brown bears (<i>Ursus arctos</i>).. <i>Movement Ecology</i> , 2022 , 10, 18	4.6	1
6	Polar bear <i>Ursus maritimus</i> use of the western Hudson Bay flaw lead. <i>Marine Ecology - Progress Series</i> , 2021 , 664, 227-242	2.6	0
5	Polar Bears: Living with the White Bear. Nikita Ovshyanikov. 1996. Shrewsbury: Swan Hill Press. 144 p, illustrated, hard cover. ISBN 1-85310-807-3. £ 19.95.. <i>Polar Record</i> , 1997 , 33, 246-247	0.5	
4	Body composition of three polar bear (<i>Ursus maritimus</i>) cubs found dead at Svalbard. <i>Polar Biology</i> , 2001 , 24, 383-385	2	
3	Seasonal habitat selection of cougars <i>Puma concolor</i> by sex and reproductive state in west-central Alberta, Canada. <i>Wildlife Biology</i> , 2020 , 2020, 1-14	1.7	
2	Polar Bear (<i>Ursus maritimus</i>) 2020 , 196-212		
1	Hundreds of Unrecognized Halogenated Contaminants Discovered in Polar Bear Serum. <i>Angewandte Chemie</i> , 2018 , 130, 16639-16644	3.6	